PTO-1449 REPRODUCED

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION

2/22/2005

(Use several sheets if necessary)

ATTORNEY DOCKET NO.	APPLICATION NO.
301788.3000-102	10/611,674
APPLICANT	
Gavin J.C. Braithwaite and Jeffrey W. Ruberti	
FILING DATE	GROUP ART UNIT
June 30, 2003	1774

U.S. PATENT DOCUMENTS

EXAM-INER INI-TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AD2	2003/0141618	31 July 2003	Braithwaite *et al.*	264	40.7	

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	AN	EP0454599	30 Oct 1991	Europe			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AZ4	Fey-Lamprecht, F., et al., "Development of Membranes for the Cultivation of Kidney Epithelial Cells", *Biomaterials*, Vol. 21, 2000, pp. 183-192.
	AR5	Holy, C.E., et al., "Bone Marrow Cell Colonization of, and Extracellular Matrix Expression on, Biodegradable Polymers", *Cells and Materials*, Vol. 7, No. 3, 1997, pp. 223-234.
	AS5	Ruberti, J.W., et al., "Nanoscale Engineering of Type I Collagen Fibrils to Mimic the Multiple Layers of Aligned Lamellae in Cornea", *ARVO annual meeting abstract search and program planner*, abstract page No. 4218.

EXAMINER	DATE CONSIDERED
D.M.	11/30/05

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

June 8, 2004

(Use several sheets if necessary)

ATTORNEY DOCKET No.	APPLICATION No.
301788.3000-102	10/611,674
APPLICANT Cambridge Polymer Group, Inc.	
FILING DATE June 30, 2003	**GROUP ART UNIT** 1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	5,458,819	17 Oct 1995	Chirila et al.	264	1.7	
	AB	5,733,337	31 Mar 1998	Carr, Jr., et al.	623	11	
	AC	5,756,350	26 May 1998	Lee et al.	435	325	
	AD	5,962,136	5 Oct 1999	Dewez et al.	428	410	
	AE	Re 36,370	2 Nov 1999	Li	424	443	
	AF	6,005,160	21 Dec 1999	Hsiue et al.	623	11	
	AG	6,083,522	4 Jul 2000	Chu et al.	424	423	
	AH	6,179,872	30 Jan 2001	Bell et al.	623	11.11	
	AI	6,280,474	28 Aug 2001	Cassidy et al.	623	16.11	
	AJ	6,303,296	16 Oct 2001	Bensimon et al.	435	6	
	AK	6,361,560	26 Mar 2002	Nigam	623	5.14	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	AL	WO 00/34442	15 Jun 2000	PCT	C12N	5/08		
	AM	WO 01/92381	6 Dec 2001	PCT	C08J	5/04		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Adachi, E., et al., "In Vitro Formation of Hybrid Fibrils of Type V Collagen and Type I Collagen Limited Growth of Type I Collagen into Thick Fibrils by Type V Collagen," Connective Tissue Research, Vol. 14, 257-266, (1986)
AS	Agarwal, U.S., et al., "Shear Flow Induced Orientation Development during Homogeneous Solution Polymerization of Rigid Rodlike Molecules," Macromolecules, 26, No. 15, 3960-3965, (1993)
AT	Altman, G.H., et al, "Advanced bioreactor with controlled application of multi-dimensional strain for tissue engineering," J Biomech Eng, 124(6), 2002, 742-9 (Abstract)
AU	Anna, S. L., et al., "Formation of Dispersions Using 'Flow-Focusing' in Microchannels," 1-10, (August 8, 2002)
AV	Bessea, L., et al., "Production of ordered collagen matrices for three-dimensional cell culture," Biomaterials, 23(1): 27-36, (January 2002) (Abstract)

EXAMINER	DATE CONSIDERED
	11/30/05

PTO-1449 REPRODUCED	ATTORNEY DOCKET No. 301788.3000-102	APPLICATION No. 10/611,674
INFORMATION DISCLOSURE CITATION IN AN APPLICATION June 8, 2004 (Use several sheets if necessary)	APPLICANT Cambridge Polymer Group, Inc.	
	FILING DATE June 30, 2003	GROUP ART UNIT 1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA2	6,423,093	23 Jul 2002	Hicks et al.	623	5.11	
	AB2	6,471,958	29 Oct 2002	Dimitrijevich et al.	424	93.7	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AW	Birk, D. E., et al., "Collagen fibrillogenesis in vitro: interaction of types I and V collagen regulates fibril diameter," Journal of Cell Science, 95, 649-657, (1990)
AX	Brown, C. T., et al., "Extraction and purification of decorin from corneal stroma retain structure and biological activity," Protein Express and Purification, 25, 389-399, (2002)
AY	Chang, J. E., et al., "Air-interface condition promotes the formation of tight cornea epithelial cell layers for drug transport studies," Pharm Res, 17(6):670-676, (June 2000) (Abstract)
AZ	Dubey, N. et al, "Guided neurite elongation and schwann cell invasion into magnetically aligned collagen in simulated peripheral nerve regeneration," Exp Neurol. 1999, 158(2), 338-50 (Abstract)
AR2	Emslie, A. G., et al. "Flow of a Viscous Liquid on a Rotating Disk," Journal of Applied Physics, Vol. 29, No. 5, 858-862, (May 1958)
AS2	Engelmann, K., et al. "Transplantation of adult human or porcine corneal endothelial cells onto human recipients in vitro., Part I: Cell culturing and transplantation procedure," Cornea, 18(2): 199-206, (March 1999) (Abstract)
AT2	Fleischmajer, R., et al., "Biology, Chemistry, and Pathology of Collagen," Annals of the New York Academy of Sciences, Vol. 460, (December 30, 1985) (Index)
AU2	Germain, L., et al., "Can We Produce a Human Corneal Equivalent by Tissue Engineering?," Progress in Retinal and Eye Research," Vol. 19, No. 5, 497-527, (2000)
AV2	Girton, T.D. et al, "Confined compression of a tissue-equivalent: collagen fibril and cell alignment in response to anisotropic strain," J Biomech Eng, 124(5), 2002, 586-75
AW2	Giordano, N. and Cheng, J-T, "Microfluid mechanica: progress and opportunities," J. Phy.: Condens. Matter 13 (16 April 2001) R271-R295
AX2	Griffith, M., et al., "Punctional Human Corneal Equivalents Constructed from Cell Lines," Science, 286: 2169-2172, (December 10, 1999)
AY2	Guido, S., et al., "A methodology for the systematic and quantitative study of cell contact guidance in oriented collagen gels," Journal of Cell Science, 105, 317-331, (1993)
AZ2	Jester, J.V., et al, "Expression of alpha-smooth muscle (alpha-SM) actin during corneal stromal wound healing," Investigative Ophthalmology & Visual Science, Vol 36, 1995, 809-819 (Abstract)
AR3	Kadler, K. E., et al., "Assembly of Type I Collagen Fibrils de Novo," The Journal of Biological Chemistry, Vol. 263, No. 21, 10517-10523 (July 25,1988)

EXAMINER	DATE CONSIDERED
	11/30/05

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION June 8, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET No. 301788.3000-102	APPLICATION No. 10/611,674
	APPLICANT Cambridge Polymer Group, Inc.	
	FILING DATE June 30, 2003	GROUP ART UNIT 1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA2	6,548,059	15 Apr 2003	Joyce et al	424	93.7	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS3	Kadler, K. E., et al., "Collagen fabril formation," Biochem., J., 316, 1-11, (1996)
	AT3	Lyons, B.L and Schwarz, R.I, "Ascorbate stimulation of PAT cells causes an increase in transcription rates and a decrease in degradation rates of procollagen mRNA," Nucleic Acids Research, Vol 12, Issue 5, 1984, 2569-2579 (Abstract)
	AU3	Masur, S.K, et al, "Myofibroblasts differentiate from fibroblasts when plated at low density," Proc. Natl, Acad. Sci, USA 93, 1996, 4219-4223
	AV3	Maurice, D.M., et al., "The fate of scleral grafts in the cornea," Cornea, 15(2): 204-9, (March 1996) (Absract)
	AW3	Michel, M. et al, "Characterization of a New Tissue-Engineered Human Skin Equivalent with Hair," Society for In Vitro Biology, 1998, 1071-2690 (Abstract)
	AX3	Nusgens, B.V., et al., "Topically Applied Vitamin C Enhances the mNRA Level of Collagens I and III, Their Processing Enzymes and Tissue Inhibitor of Matrix Metalloproteinase 1 in the Human Dermis," Journal of Investigative Dermatology 116, 2001, 853-859 (Abstract)
	AY3	Ohgoda, O. et al., "Fibroblast-migration in a wound model of ascorbic acid-supplemented three-dimensional culture system: the effects of cytokines and malotilate, a new wound healing stimulant, on cell-migration," J Dermatol Sci, 1998, 17(2), 123-31 (Abstract)
	AZ3	Parkinson, J., et al., "Self-assembly of rodlike particles in two dimensions: A simple model for collagen fibrillogenesis," Physical Review E, Vol. 50, No. 4, 2963-2966, (October 1994),
	AR4	Pesek, J. J. et al, "Synthesis and Characterization of bonded phases made via hydrosilation of alkynes on silica hydride surfaces," Vol 818(2), 1998, p. 145-154 (Abstract)
	AS4	Pins G. D., et al., "Microfabrication of an analog of the basal lamina: biocompatible membranes with complex topographies," The FASEB Journal, Vol. 14, 593-602, (March 2000)
	AT4	Schreckenbach, A., "Macroscopic structures in liquid crystal systems prepared with spin coating," Polymer, Vol. 38 No. 12, 3069-3083, (1997)
	AU4	Schwab, I., et al., "Bioengineered Corneas-The Promise and the Challenge," The New England Journal of Medicine, Vol. 343:136-138, No. 2., (July 13, 2000) (Editorial)

EXAMINER	DATE CONSIDERED
	11/30/05

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION June 8, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET No. 301788.3000-102	APPLICATION No. 10/611,674
	APPLICANT Cambridge Polymer Group, Inc.	
	FILING DATE June 30, 2003	GROUP ART UNIT 1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
	AL							
	AM							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AV4	Scott, D. M., et al., "Investigation of the Attachment of Bovine Corneal Endothelial Cells to Collagens and Other Components of the Subendothelium," Exp Cell Res 144, 472-478, (1983)
	AW4	Tsai, R., et al. "Reconstruction of Damaged Corneas by Transplantation of Autologous Limbal Epithelial Cells," The New England Journal of Medicine, Vol. 343, No. 2, 86-93, (July 13, 2000)
	AX4	Varani, J., et al., "Modulation of adhesive properties of DEAE-dextran with laminin," Journal of Biomedical Materials Research, Vol. 29, 993-997, (1995)
	AY4	Wang, J.H., et al, "Cell orientation determines the alignment of cell-produced collagenous matrix," J Biomach 36, 2003, 97-102 (Abstract)

EXAMINER	DATE CONSIDERED
	11/30/05